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(81) 指定国 (除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU,

(54) Title: RAILWAY TRAIN OPERATION CONTROL METHOD AND SYSTEM

(54) 发明名称: 一种铁路列车运行控制方法和系统

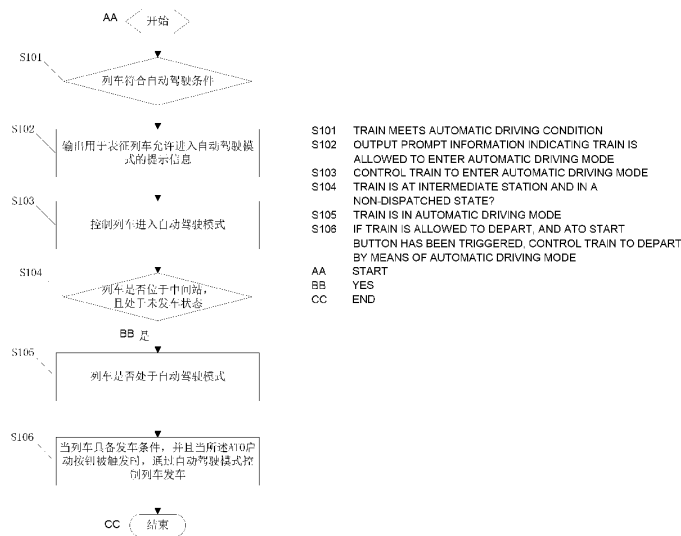


图 1

(57) Abstract: Provided is a railway train operation control method. The method comprises: determining whether a train meets an automatic driving condition, and if so, outputting prompt information indicating that the train is allowed to enter an automatic driving mode; if it is detected that an ATO start button on an operating platform of a driver has been triggered, controlling the train to enter the automatic driving mode; determining whether the train is at an intermediate station, and whether the train is in a non-dispatched state, and if so, determining whether the train is in the automatic driving mode, wherein the intermediate station refers to stations other

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CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。

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than a starting station and a terminal station in a train travel route; and when the train is located at an intermediate station, is in the non-dispatched state, and is in the automatic driving mode, and if the ATO start button has been triggered by the driver, controlling, by means of the automatic driving mode, the train to automatically depart from a station, automatically operate between stations, automatically stop at a station, perform a door-opening protection function, and perform linked control of train doors/platform doors.

(57) 摘要: 提供一种铁路列车运行控制方法, 方法包括: 判断列车是否符合自动驾驶条件, 如果是, 输出用于表征列车允许进入自动驾驶模式的提示信息; 当检测到司机操纵平台上的ATO启动按钮被触发时, 控制列车进入自动驾驶模式; 判断列车是否位于中间站, 且处于未发车状态, 如果是, 判断列车是否处于自动驾驶模式, 所述中间站指的是列车运行路线中除去首发站和终点站之外的其他站点; 当列车位于中间站、处于未发车状态, 且处于自动驾驶模式时, 并且当所述ATO启动按钮被司机触发时, 通过自动驾驶模式控制列车车站自动发车、区间自动运行、车站自动停车、车门开门防护、车门/站台门联动控制。